

# DEERE Specifications

## Engine 544J WH

Type	John Deere PowerTech™ 6068H; certified to EPA Tier 2 emissions
Cylinders	6
Valves Per Cylinder	2
Displacement	414 cu. in. (6.8 L)
Net Peak Power (ISO9249)	160 hp (116 kW) @ 1,900 rpm
Net Rated Power	145 hp (100 kW) @ 2,200 rpm
Net Peak Torque (ISO9249)	485 lb.-ft. (650 Nm) @ 1,400 rpm
Net Torque Rise	41%
Net Power Bulge	11%
Fuel System	electronically controlled rotary pump-line-nozzle
Lube System	full-flow spin-on filter and integral cooler
Aspiration	turbocharged, charge air cooled
Air Cleaner	dual element dry type, restriction indicator in cab monitor for service
Fan Drive	hydraulically driven, proportionally controlled, fan aft of coolers
Electrical System	24 volt with 80-amp alternator
Batteries (two 12 volt)	950 CCA; reserve capacity: 200 min. each

## Transmission

Type	countershaft-type power shift	
Torque Converter	single stage, single phase	
Shift Control	electronically modulated, adaptive, load and speed dependent	
Operator Interface	steering-column or joystick-mounted F-N-R and gear-select lever, kick-down button on hydraulic lever	
Shift Modes	auto/manual, auto to 1st or 2nd, kick down or kick up/down, three clutch cutoff settings adjustable on switch pad	
Travel Speeds*	<i>Forward</i>	<i>Reverse</i>
Gear 1	4.3 mph (6.9 km/h)	4.5 mph (7.3 km/h)
Gear 2	7.4 mph (11.9 km/h)	7.8 mph (12.6 km/h)
Gear 3	14.2 mph (22.8 km/h)	15.0 mph (24.1 km/h)

\*Equipped with 20.5 X 25 solid rubber tires.

## Axles/Brakes

Final Drives	heavy-duty inboard planetary
Differentials	hydraulic locking front, conventional rear — standard; dual locking front and rear — optional
Rear Axle Oscillation, Stop to Stop*	16 deg.
Brakes (conform to SAE J1473, ISO3450)	
Service Brakes	hydraulically actuated, inboard, carrier mounted, pressure oil cooled, self adjusting, multi-disc
Parking Brake	automatic spring applied, hydraulically released, oil cooled, multi-disc

\*Equipped with 20.5 X 25 solid rubber tires.

## Hydraulic System/Steering

Pump (loader and steering)	variable-displacement, axial-piston pump; closed-center, pressure-compensating system
Maximum Flow @ 2,350 rpm	50 gpm (189 L/m) @ 1,000 psi (6895 kPa)
Pressure	loader and steering relief 3,650 psi (25 167 kPa)
Loader Controls	two-function valve; single- or dual-lever controls; control lever lockout feature; optional third- and fourth-function valve with auxiliary lever
Steering (conforms to SAE J1511)	
Type	power, fully hydraulic
Pressure	3,650 psi (25 167 kPa) relief
Articulation Angle	80-deg. arc (40 deg. each direction)
Hydraulic Cycle Times	
Raise	5.7 sec.
Dump	1.2 sec.
Lower	3.2 sec. (float down)
Total	10.1 sec.
Turning Radius (measured to centerline of outside tire)	16 ft. 3 in. (4959 mm)

## Maximum Lift Capacity

### 544J WH

	Standard Boom	5.0-cu.-yd. (3.8 m <sup>3</sup> ) standard lip	High Lift	4.0-cu.-yd. (3.1 m <sup>3</sup> ) standard lip	5.0-cu.-yd. (3.8 m <sup>3</sup> ) standard lip
SAE Heaped Capacity	4.0-cu.-yd. (3.1 m <sup>3</sup> ) standard lip	5.0-cu.-yd. (3.8 m <sup>3</sup> ) standard lip	4.0-cu.-yd. (3.1 m <sup>3</sup> ) standard lip	4.0-cu.-yd. (3.1 m <sup>3</sup> ) standard lip	5.0-cu.-yd. (3.8 m <sup>3</sup> ) standard lip
Lift at Ground Level	22,436 lb. (10 177 kg)	18,619 lb. (8445 kg)	23,605 lb. (10 707 kg)	23,605 lb. (10 707 kg)	20,158 lb. (9144 kg)
Lift at Maximum Height	14,103 lb. (6397 kg)	13,722 lb. (6224 kg)	12,147 lb. (5510 kg)	12,147 lb. (5510 kg)	11,768 lb. (5338 kg)

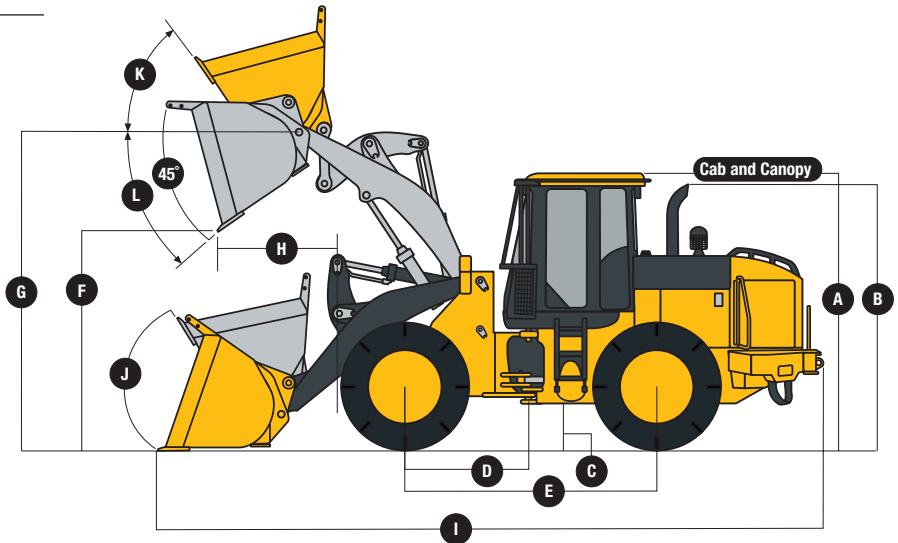
## Tires

Choice of	Tread Width	Width Over Tires	Change In Vertical Height
20.5 X 25 Solid Rubber Tires	76.8 in. (1951 mm)	97.7 in. (2482 mm)	0 in. (0 mm)

L-5 radial or bias ply tires available.  
Both tire types require 8-deg. axle stops.

## Capacities (U.S.)

Fuel Tank (with ground-level fueling)	85 gal. (322 L)
Cooling System	22 qt. (21 L)
Engine Lubrication, Including Full-Flow Spin-On Filter	19.5 qt. (18.5 L)
Powershift Transmission, Including Vertical Cartridge Filter	19.5 qt. (18.5 L)
Differential (each axle)	
Front	19 qt. (18 L)
Rear	19 qt. (18 L)
Loader Hydraulic Reservoir and Filters	25.5 gal. (96.5 L)
Parking Brake	10 oz. (0.3 L)



## Dimensions with Pin-On Type Waste Buckets

	Standard Boom	5.0-cu.-yd. (3.8 m <sup>3</sup> ) standard lip	High Lift	4.0-cu.-yd. (3.1 m <sup>3</sup> ) standard lip	5.0-cu.-yd. (3.8 m <sup>3</sup> ) standard lip
Bucket Lip Capacity (equipped with bolt-on cutting edges)	4.0-cu.-yd. (3.1 m <sup>3</sup> ) standard lip	5.0-cu.-yd. (3.8 m <sup>3</sup> ) standard lip	4.0-cu.-yd. (3.1 m <sup>3</sup> ) standard lip	4.0-cu.-yd. (3.1 m <sup>3</sup> ) standard lip	5.0-cu.-yd. (3.8 m <sup>3</sup> ) standard lip
Capacity, Heaped SAE	4.0-cu.-yd. (3.1 m <sup>3</sup> ) standard lip	5.0-cu.-yd. (3.8 m <sup>3</sup> ) standard lip	4.0-cu.-yd. (3.1 m <sup>3</sup> ) standard lip	4.0-cu.-yd. (3.1 m <sup>3</sup> ) standard lip	5.0-cu.-yd. (3.8 m <sup>3</sup> ) standard lip
Capacity, Struck SAE	3.5-cu.-yd. (2.7 m <sup>3</sup> ) standard lip	4.4-cu.-yd. (3.4 m <sup>3</sup> ) standard lip	3.5-cu.-yd. (2.7 m <sup>3</sup> ) standard lip	3.5-cu.-yd. (2.7 m <sup>3</sup> ) standard lip	4.4-cu.-yd. (3.4 m <sup>3</sup> ) standard lip
<b>A</b> Height to Top of Cab	10 ft. 10 in. (3.29 m)	10 ft. 10 in. (3.29 m)	10 ft. 10 in. (3.29 m)	10 ft. 10 in. (3.29 m)	10 ft. 10 in. (3.29 m)
<b>B</b> Height to Top of Exhaust	10 ft. 9 in. (3.28 m)	10 ft. 9 in. (3.28 m)	10 ft. 9 in. (3.28 m)	10 ft. 9 in. (3.28 m)	10 ft. 9 in. (3.28 m)
<b>C</b> Ground Clearance	18 in. (457 mm)	18 in. (457 mm)	18 in. (457 mm)	18 in. (457 mm)	18 in. (457 mm)
<b>D</b> Length from Centerline to Front Axle	57 in. (1.45 m)	57 in. (1.45 m)	57 in. (1.45 m)	57 in. (1.45 m)	57 in. (1.45 m)
<b>E</b> Wheelbase	114 in. (2.90 m)	114 in. (2.90 m)	114 in. (2.90 m)	114 in. (2.90 m)	114 in. (2.90 m)
<b>F</b> Dump Height	8 ft. 11 in. (2.72 m)	8 ft. 7 in. (2.62 m)	10 ft. 1 in. (3.08 m)	9 ft. 9 in. (2.97 m)	9 ft. 9 in. (2.97 m)
<b>G</b> Height to Hinge Pin, Fully Raised	12 ft. 9 in. (3.89 m)	12 ft. 9 in. (3.89 m)	13 ft. 10 in. (4.22 m)	13 ft. 10 in. (4.22 m)	13 ft. 10 in. (4.22 m)
<b>H</b> Dump Reach	36 in. (0.92 m)	41 in. (1.04 m)	36 in. (0.92 m)	41 in. (1.04 m)	41 in. (1.04 m)
<b>I</b> Overall Length	24 ft. 5 in. (7.44 m)	24 ft. 11 in. (7.59 m)	25 ft. 6 in. (7.77 m)	26 ft. 1 in. (7.95 m)	26 ft. 1 in. (7.95 m)
<b>J</b> Maximum Rollback at Ground Level	35 deg.	35 deg.	35 deg.	35 deg.	35 deg.
<b>K</b> Maximum Rollback at Full Height	51 deg.	51 deg.	45 deg.	45 deg.	45 deg.
<b>L</b> Maximum Dump Angle at Full Height	49 deg.	49 deg.	45 deg.	45 deg.	45 deg.
Breakout Force, SAE J732C	21,117 lb. (9579 kg)	18,262 lb. (8284 kg)	19,371 lb. (8787 kg)	16,721 lb. (7585 kg)	16,721 lb. (7585 kg)
Tipping Load, Straight	24,749 lb. (11 226 kg)	23,768 lb. (10 781 kg)	20,981 lb. (9517 kg)	20,090 lb. (9113 kg)	20,090 lb. (9113 kg)
Tipping Load, 40-Deg. Full Turn, SAE	21,497 lb. (9751 kg)	20,588 lb. (9339 kg)	18,156 (8235 kg)	17,325 lb. (7858 kg)	17,325 lb. (7858 kg)
Bucket Width	8 ft. 10 in. (2.69 m)	8 ft. 10 in. (2.69 m)	8 ft. 10 in. (2.69 m)	8 ft. 10 in. (2.69 m)	8 ft. 10 in. (2.69 m)
Loader Clearance Circle, Bucket In Carry Position	38 ft. 8 in. (11.79 m)	39 ft. 0 in. (11.89 m)	39 ft. 7 in. (12.07 m)	39 ft. 11 in. (12.17 m)	39 ft. 11 in. (12.17 m)
Operating Weight	33,789 lb. (15 326 kg)	34,189 lb. (15 508 kg)	33,990 (15 418 kg)	34,391 lb. (15 599 kg)	34,391 lb. (15 599 kg)

Loader operating information is based on a machine with all standard equipment; waste handler complete protection package; 20.5 X 25 solid rubber tires; high-lift boom; ROPS cab; differential lock front axle with standard rear axle; two-spool valve with two-lever control; heater and defroster; 175-lb. (79 kg) operator; and full fuel tank. This information is affected by tire size, ballast, and different attachments.

# Specifications

**624J**  
WASTE HANDLER

## Engine 624J WH

Type	John Deere PowerTech 6068H; certified to EPA Tier 2 emissions
Cylinders	6
Valves Per Cylinder	4
Displacement	414 cu. in. (6.8 L)
Net Peak Power (ISO9249)	180 hp (129 kW) @ 1,800 rpm
Net Rated Power	165 hp (119 kW) @ 2,200 rpm
Net Peak Torque (ISO9249)	605 lb.-ft. (810 Nm) @ 1,000 rpm
Net Torque Rise	54%
Net Power Bulge	9%
Fuel System	high-pressure common rail
Lube System	full-flow spin-on filter and integral cooler
Aspiration	turbocharged, charge air cooled
Air Cleaner	dual element dry type, restriction indicator in cab monitor for service
Fan Drive	hydraulically driven, proportionally controlled, fan aft of coolers
Electrical System	24 volt with 80-amp alternator
Batteries (two 12 volt)	950 CCA; reserve capacity: 200 min. each

## Transmission

Torque Converter	single stage, single phase	
Shift Control	electronically modulated, adaptive, load and speed dependent	
Operator Interface	steering-column or joystick-mounted F-N-R and gear-select lever, kick-down button on hydraulic lever	
Shift Modes	auto/manual, auto to 1st or 2nd, kick down or kick up/down, three clutch cutoff settings adjustable on switch pad	
Travel Speeds*	<i>Forward</i>	<i>Reverse</i>
Gear 1	4.5 mph (7.2 km/h)	4.7 mph (7.5 km/h)
Gear 2	7.7 mph (12.4 km/h)	8.1 mph (13.1 km/h)
Gear 3	15.2 mph (24.5 km/h)	16.0 mph (25.8 km/h)

\*Equipped with 20.5 X 25 solid rubber tires.

## Axles/Brakes

Final Drives	heavy-duty inboard planetary
Differentials	hydraulic locking front, conventional rear — standard; dual locking front and rear — optional
Rear Axle Oscillation, Stop to Stop*	16 deg.
Brakes (conform to SAE J1473, ISO3450)	
Service Brakes	hydraulically actuated, inboard, carrier mounted, pressure oil cooled, self adjusting, multi-disc
Parking Brake	automatic spring applied, hydraulically released, oil cooled, multi-disc

\*Equipped with 20.5 X 25 solid rubber tires.

## Hydraulic System/Steering

Pump (loader and steering)	variable-displacement, axial-piston pump; closed-center, pressure-compensating system
Maximum Flow @ 2,350 rpm	58 gpm (220 L/m) @ 1,000 psi (6895 kPa)
Pressure	loader and steering relief 3,600 psi (24 850 kPa)
Loader Controls	two-function valve; single- or dual-lever controls; control lever lockout feature; optional third- and fourth-function valve with auxiliary lever
Steering (conforms to SAE J1511)	
Type	power, fully hydraulic
Pressure	3,600 psi (24 850 kPa) relief
Articulation Angle	80-deg. arc (40 deg. each direction)
Hydraulic Cycle Times	
Raise	5.9 sec.
Dump	1.3 sec.
Lower	2.7 sec. (float down)
Total	9.9 sec.
Turning Radius (measured to centerline of outside tire)	17 ft. 0 in. (5187 mm)

## Maximum Lift Capacity

### 624J WH

	Standard Boom			High Lift		
SAE Heaped Capacity	4.0-cu.-yd. (3.1 m <sup>3</sup> ) standard lip	5.0-cu.-yd. (3.8 m <sup>3</sup> ) standard lip	6.0-cu.-yd. (4.6 m <sup>3</sup> ) standard lip	4.0-cu.-yd. (3.1 m <sup>3</sup> ) standard lip	5.0-cu.-yd. (3.8 m <sup>3</sup> ) standard lip	6.0-cu.-yd. (4.6 m <sup>3</sup> ) standard lip
Lift at Ground Level	29,335 lb. (13 306 kg)	28,220 lb. (12 800 kg)	28,041 lb. (12 719 kg)	25,629 lb. (11 625 kg)	24,749 lb. (11 226 kg)	24,442 lb. (11 087 kg)
Lift at Maximum Height	16,615 lb. (7536 kg)	16,240 lb. (7366 kg)	15,717 lb. (7129 kg)	15,093 lb. (6846 kg)	14,729 lb. (6681 kg)	14,205 lb. (6443 kg)

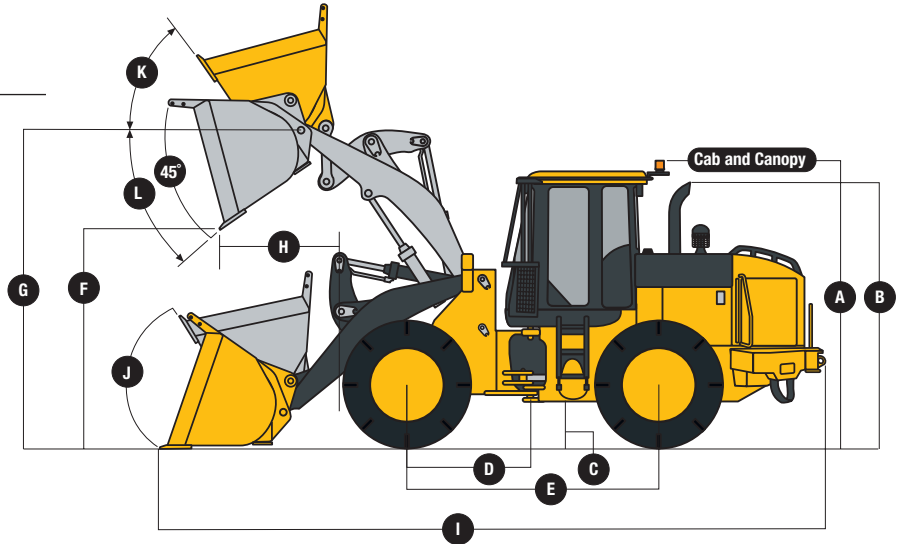
## Tires

Choice of	Tread Width	Width Over Tires	Change In Vertical Height
20.5 X 25 Solid Rubber Tires	80.7 in. (2050 mm)	101.3 in. (2573 mm)	0 in. (0 mm)

L-5 radial or bias ply tires available.  
Both tire types require 8-deg. axle stops.

## Capacities (U.S.)

Fuel Tank (with ground-level fueling)	92 gal. (348 L)
Cooling System	23 qt. (22 L)
Engine Lubrication, Including Full-Flow Spin-On Filter	25 qt. (24 L)
Powershift Transmission, Including Vertical Cartridge Filter	24 qt. (23 L)
Differential (each axle)	
Front	26 qt. (24.5 L)
Rear	21 qt. (20 L)
Loader Hydraulic Reservoir and Filters	31.5 gal. (119 L)
Parking Brake	10 oz. (0.3 L)



## Dimensions with Pin-On Type Waste Buckets

	Standard Boom			High Lift		
Bucket Lip Capacity (equipped with bolt-on cutting edges)	4.0-cu.-yd. (3.1 m <sup>3</sup> ) standard lip	5.0-cu.-yd. (3.8 m <sup>3</sup> ) standard lip	6.0-cu.-yd. (4.6 m <sup>3</sup> ) standard lip	4.0-cu.-yd. (3.1 m <sup>3</sup> ) standard lip	5.0-cu.-yd. (3.8 m <sup>3</sup> ) standard lip	6.0-cu.-yd. (4.6 m <sup>3</sup> ) standard lip
Capacity, Heaped SAE	3.5-cu.-yd. (2.7 m <sup>3</sup> ) standard lip	4.3-cu.-yd. (3.3 m <sup>3</sup> ) standard lip	4.6-cu.-yd. (3.5 m <sup>3</sup> ) standard lip	3.5-cu.-yd. (2.7 m <sup>3</sup> ) standard lip	3.8-cu.-yd. (2.9 m <sup>3</sup> ) standard lip	4.6-cu.-yd. (3.5 m <sup>3</sup> ) standard lip
<b>A</b> Height to Top of Cab	11 ft. 2 in. (3.40 m)	11 ft. 2 in. (3.40 m)	11 ft. 2 in. (3.40 m)	11 ft. 2 in. (3.40 m)	11 ft. 2 in. (3.40 m)	11 ft. 2 in. (3.40 m)
<b>B</b> Height to Top of Exhaust	11 ft. 0 in. (3.35 m)	11 ft. 0 in. (3.35 m)	11 ft. 0 in. (3.35 m)	11 ft. 0 in. (3.35 m)	11 ft. 0 in. (3.35 m)	11 ft. 0 in. (3.35 m)
<b>C</b> Ground Clearance	18.7 in. (475 mm)	18.7 in. (475 mm)	18.7 in. (475 mm)	18.7 in. (475 mm)	18.7 in. (475 mm)	18.7 in. (475 mm)
<b>D</b> Length from Centerline to Front Axle	60 in. (1.52 m)	60 in. (1.52 m)	60 in. (1.52 m)	60 in. (1.52 m)	60 in. (1.52 m)	60 in. (1.52 m)
<b>E</b> Wheelbase	119 in. (3.02 m)	119 in. (3.02 m)	119 in. (3.02 m)	119 in. (3.02 m)	119 in. (3.02 m)	119 in. (3.02 m)
<b>F</b> Dump Height	9 ft. 6 in. (2.90 m)	9 ft. 1 in. (2.78 m)	8 ft. 7 in. (2.61 m)	10 ft. 10 in. (3.31 m)	10 ft. 6 in. (3.20 m)	10 ft. 0 in. (3.05 m)
<b>G</b> Height to Hinge Pin, Fully Raised	13 ft. 2 in. (4.01 m)	13 ft. 2 in. (4.01 m)	13 ft. 2 in. (4.01 m)	14 ft. 4 in. (4.37 m)	14 ft. 4 in. (4.37 m)	14 ft. 4 in. (4.37 m)
<b>H</b> Dump Reach	35 in. (0.89 m)	40 in. (1.01 m)	46 in. (1.17 m)	41 in. (1.05 m)	46 in. (1.18 m)	53 in. (1.35 m)
<b>I</b> Overall Length	24 ft. 9 in. (7.54 m)	25 ft. 4 in. (7.72 m)	26 ft. 1 in. (7.95 m)	26 ft. 2 in. (7.98 m)	26 ft. 9 in. (8.15 m)	27 ft. 6 in. (8.38 m)
<b>J</b> Maximum Rollback at Ground Level	38 deg.	38 deg.	38 deg.	39 deg.	39 deg.	39 deg.
<b>K</b> Maximum Rollback at Full Height	55 deg.	55 deg.	55 deg.	49 deg.	49 deg.	49 deg.
<b>L</b> Maximum Dump Angle at Full Height	45 deg.	45 deg.	45 deg.	41 deg.	41 deg.	41 deg.
Breakout Force, SAE J732C	29,774 lb. (13 505 kg)	25,567 lb. (11 597 kg)	21,300 lb. (9662 kg)	26,991 lb. (12 243 kg)	23,137 lb. (10 495 kg)	19,223 lb. (8719 kg)
Tipping Load, Straight	29,635 lb. (13 442 kg)	28,740 lb. (13 036 kg)	28,363 lb. (12 865 kg)	24,253 lb. (11 001 kg)	23,448 lb. (10 636 kg)	23,042 lb. (10 452 kg)
Tipping Load, 40-Deg. Full Turn, SAE	25,814 lb. (11 709 kg)	24,976 lb. (11 329 kg)	24,568 lb. (11 144 kg)	21,033 lb. (9540 kg)	20,277 lb. (9197 kg)	19,843 lb. (9001 kg)
Bucket Width	9 ft. 7 in. (2.91 m)	9 ft. 7 in. (2.91 m)	9 ft. 7 in. (2.91 m)	9 ft. 7 in. (2.91 m)	9 ft. 7 in. (2.91 m)	9 ft. 7 in. (2.91 m)
Loader Clearance Circle, Bucket In Carry Position	40 ft. 2 in. (12.24 m)	40 ft. 6 in. (12.34 m)	40 ft. 0 in. (12.19 m)	40 ft. 4 in. (12.29 m)	41 ft. 8 in. (12.70 m)	42 ft. 2 in. (12.85 m)
Operating Weight	38,162 lb. (17 310 kg)	38,579 lb. (17 499 kg)	39,114 lb. (17 742 kg)	38,460 lb. (17 445 kg)	38,876 lb. (17 634 kg)	39,412 lb. (17 877 kg)

Loader operating information is based on a machine with all standard equipment; waste handler complete protection package; 20.5 X 25 solid rubber tires; high-lift boom; ROPS cab; differential lock front axle with standard rear axle; two-spool valve with two-lever control; heater and defroster; 175-lb. (79 kg) operator; and full fuel tank. This information is affected by tire size, ballast, and different attachments.

## 544J / 624J WASTE HANDLERS

**Key:** ● Standard equipment ▲ Optional equipment

### 544J 624J Engine

- ● Certified to EPA Tier 2 emissions
- ● Antifreeze, -34°F (-37°C)
- ● Pre-cleaner
- ● Wet sleeve cylinder liners
- ● Electronically controlled fuel system
- ● Automatic derating when system temperatures exceeded
- ● Monitor-selected high-altitude compensation
- ● Underhood muffler with large exhaust stack
- ● Underhood dual-element air cleaner with restriction sensor
- ● 10-micron primary fuel filter/water separator
- ● 2-micron final fuel filter
- ● Heavy-duty steel fuel tank guard
- ● 500-hour full-flow spin-on oil filter
- ● Polyvee drive belt with automatic tensioner
- ▲ Ether start aid (required for cold starting down to -13°F [-25°C])
- ▲ Intake air heater (required for cold starting down to 0°F [-18°C])
- ▲ ▲ 110-volt engine coolant heater (required for cold starting below -13°F [-25°C])
- ▲ ▲ Chrome exhaust stack
- ● Environmentally friendly engine oil drain

### Cooling

- ● Heavy-duty trash-resistant high-ambient cooling package
- ● Two-side access to all coolers
- ● Cooling system isolated from engine compartment
- ● Proportionally controlled (cool-on-demand), hydraulically driven, swing-out fan
- ● Intercooler (air/air - 6.5 fins per in.)
- ● Transmission oil cooler (oil/air - 6.5 fins per in.)
- ● Hydraulic oil cooler (oil/air - 6.5 fins per in.)
- ● Engine radiator (7.5 fins per in.)
- ● Integral engine oil cooler
- ● Coolant recovery tank
- ● Fan guard
- ▲ ▲ Axle coolers (6.5 fins per in.)
- ● Reversing fan drive - auto control with manual override
- ▲ ▲ Harsh-environment coolers for corrosive environments

### Power Train

- ● ZF torque-converter powershift transmission - 3F/3R
- ● Electronically controlled, adaptive, load- and speed-dependent shift modulation
- ● Clutch calibration engageable from cab monitor
- ● Clutch cut-off - thresholds settable from switch pad
- ● Auto-shift/manual-shift modes
- ● Gear kickdown button in hydraulic-control lever
- ● 1,000-hour transmission filter
- ● Integral transmission sight gauge/fill tube
- ● Spring-applied, hydraulically released, oil-cooled, multi-disc park brake
- ● Lube-for-life U-joints
- ● Heavy-duty inboard planetary final drives
- ● Hydraulically actuated, inboard, carrier-mounted, pressure-oil-cooled, self-adjusting, multi-disc brakes
- ● Top axle housing fill and dipstick port
- ● Front axle with hydraulic locking front and conventional rear differentials
- ▲ ▲ Front and rear axles with hydraulic locking differentials
- ▲ ▲ Remote-axle breathers

### 544J 624J Hydraulic System

- ● Pressure-compensating load-sensing hydraulic system
- ● In-cab adjustable automatic bucket positioner
- ● In-cab adjustable automatic boom height kickout control
- ● In-cab adjustable automatic boom return-to-carry control
- ● Reservoir sight gauge
- ● Spin-on hydraulic filters, vertical mounting
- ● Hydraulic lever lockout
- ● Two-function hydraulic valve with single-lever control
- ▲ ▲ Two-function hydraulic valve with two-lever fingertip controls and adjustable wristrest
- ▲ ▲ Three-function hydraulic valve with single-lever control and auxiliary lever for third function
- ▲ ▲ Three-function hydraulic valve with two-lever fingertip controls, adjustable wristrest, and auxiliary lever for third function
- ▲ ▲ Four-function hydraulic valve, with dual single-lever controls
- ▲ ▲ Hydraulic conversion kits, two-to-three- and three-to-four-function valves
- ▲ ▲ Ride control, automatic type
- ▲ ▲ Hydraulic control system for quick-coupler locking pins

### Electrical

- ● 24-volt electrical system
- ● Solid-state electrical power distribution system
- ● Batteries, high capacity (2), 12 volt with 950 CCA, 200-min. rated reserve each
- ● Alternator, high capacity, 80 amps and 24 volts
- ● Alternator trash cover
- ● Lights (conform to SAE J99): Driving with guards / Turn signals and flashers / Stop and taillights
- ● LED heavy-duty taillights and turn signals
- ● Work lights, front (2) and rear (2)
- ● Horn, with push button in center of steering wheel (conforms to SAE J994, J1446)
- ● Reverse warning alarm (conforms to SAE J994, J1446)
- ● Computerized multifunction monitor
- ● Audible and visual warnings: Amber caution / Red stop / Analog gauges: Engine coolant temperature, transmission oil temperature, fuel level, hydraulic oil temperature, engine oil pressure / Digital instruments: Engine rpm, odometer, transmission gear indicator, speedometer, hour meter / Operator warning lights: Check engine, engine oil pressure, engine air filter restriction, battery voltage, transmission filter restriction, brake pressure, hydraulic oil filter, fasten seat belt, transmission fault, hydraulic oil temperature
- ● Indicator lights: Park brake / Ride control / Turn signals and warning flashers / Coupler pin disconnect / Engine preheater / Secondary steering / Work lights
- ● Radio-ready cab: Fused 24-volt radio electrical lead, and fused lead for optional Deere 5-amp and 10-amp voltage converters
- ● Built-in diagnostics: Fault code retrieval
- ▲ ▲ AM/FM/WB stereo radio
- ▲ ▲ AM/FM/WB stereo radio with cassette
- ▲ ▲ AM/FM/WB stereo radio with CD
- ▲ ▲ 5-amp, 12-volt convertor with one power plug
- ▲ ▲ 10-amp, 12-volt convertor with two power plugs
- ▲ ▲ Electrical corrosion-prevention package
- ● Strobe light wired to master electrical disconnect switch

\*See your John Deere dealer for further information.

### 544J 624J Operator's Station

- ● Cab (conforms to SAE J1040C APR88): ROPS/FOPS / Heater/defroster / Multiplane isolation mounted for noise/vibration reduction / Front and rear windshield washers and intermittent wipers / Tinted safety glass
- ● Air conditioning
- ● Seat belt, 3 in. (76 mm), with retractor
- ● Seat, deluxe cloth covered with deep foam, high back, air suspension, adjustable for weight-height, fore-aft position, backrest tilt, and armrest angle
- ● Cup holder, personal cooler holder
- ▲ ▲ Sun visor for cab
- ● Storage compartment for operator's manual and other items
- ● Rubber floor mat
- ● Steering wheel, textured with spinner knob
- ● Tilt steering column
- ● Steering wheel, textured with spinner knob
- ● Rearview mirrors, outside (2) and inside (1) (conform to SAE J985)
- ● Handholds and steps, ergonomically located and slip resistant (conform to SAE J185)

### Waste Handler Package

- ● Waste handler guards: Articulation guards / Axle seal guards / Boom cylinder and hydraulic lines guard / Bucket cylinder hydraulic lines, zerk, and sensor guard / Drive-shaft guard / Extreme-duty front loader frame cover with handles / Extreme-duty transmission side guards / Lower boom and bucket grease-fitting guards / Rear loader frame cover
- ● Cab floor-mounted lockable master electrical disconnect switch
- ● Extreme-duty cab entry steps
- ▲ ▲ Extreme-duty hydraulic bottom guards (fuel tank, loader frame, engine frame)
- ▲ ▲ Bottom guards, bolt-on, front frame and transmission
- ● Full-frontal cab window guard (high-visibility version not designed to SAE J1084)
- ● Rear-access platforms with step, handhold, and tie-downs

### Loader Linkage

- ● Loader boom service locking bar (conforms to SAE J38)
- ▲ ▲ Z-bar loader linkage
- ▲ ▲ High-lift Z-bar loader linkage

### Buckets and Attachments

- ▲ ▲ Full line of Deere pin-on and hook-on buckets with selection of bolt-on cutting edges and teeth-segmented bolt-on cutting edges\*
- ▲ ▲ Quick-coupler which accepts Deere and JRB attachments
- ▲ ▲ Hydraulic control system for quick-coupler locking pins, includes all controls in cab, lines, and valves
- ▲ ▲ Loadrite™ weighing system\*

### Tires

- ▲ ▲ 20.5 X 25
- ▲ ▲ L-5 radial or bias ply
- ▲ ▲ Less wheels and tires
- ▲ ▲ Multi-piece rims

### Other

- ● Articulation locking bar (conforms to SAE J276)
- ● Vandal protection, includes lockable engine enclosure, rear grille, and fuel fill
- ● Counterweight, built-in
- ● Drawbar, with locking pin
- ▲ ▲ Lift hooks
- ▲ ▲ Fire extinguisher
- ▲ ▲ License-plate bracket
- ▲ ▲ Secondary steering



JOHN DEERE

DKAJULDRWH Litho in U.S.A. (06-11)

Net engine power is with standard equipment including air cleaner, exhaust system, alternator, and cooling fan at test conditions per ISO9249. No derating is required up to 5,000-ft. (1525 m) altitude.

Specifications and design subject to change without notice. Wherever applicable, specifications are in accordance with SAE standards. Except where otherwise noted, these specifications are based on a unit with all standard equipment, waste handler protection package, high-lift boom, 20.5 X 25 solid rubber tires, ROPS cab, full fuel tank, and 175-lb. (79 kg) operator.

